



[40121/Metal]

POWER OF ATTORNEY

Assignee of the entire interest hereby revokes all prior Power of Attorneys and appoints Patrick J. Fay (Reg. No. 35,508), Oleg F. Kaplun (Reg. No. 45,559), Michael J. Marcin (Reg. No. 48,198) and Paolo M. Trevisan (Reg. No. 45,164) to prosecute the following patents/applications and transact all business in the U.S. Patent and Trademark Office connected therewith:

Inventor	Serial No./ Patent No.	Filing Date/ Issue Date	Title
Zhao	09/661,252	September 13, 2000	Superconducting Tapes
Zhao	10/617,389	July 11, 2003	Superconducting Tapes
Darmann	09/661,251	September 13, 2000	Integrated Tape
Darmann	10/437,246	May 14, 2003	Integrated Tape
Zhao	10/627,987	July 28, 2003	Superconducting Tapes
Zhao	6,600,939	July 29, 2003	Superconducting Tapes
Darmann et al.	10/678,226	October 6, 2003	Superconducting Tapes
Darmann	09/661,253	September 13, 2000	Superconducting Tapes
Darmann	10/239,232	January 2, 2003	Superconducting Transformer

Please send all correspondence to:

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and direct all phone calls to Oleg F. Kaplun at (212) 619-6000 ext.203.

The undersigned is empowered to sign this Power of Attorney on behalf of Assignee.

16 February 2004
Date

T. Bearns
Signature

Name: TIMOTHY PAUL BEARNS

Title: MANAGER - AUSTRALIAN SUPERCONDUCTORS

Company: Metal Manufactures Limited